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**TELECOPIER COVER SHEET**

July 27, 2006

Total Number of Pages  
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**PATENT EXAMINER**

Telecopier Phone: 571-273-8300  
From: JOHN C. STRINGHAM  
Comments: Serial No. 10/551,350  
Please see attached.  
Docket No.: 16542.16.1a.3

\*\*\*\*\*

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PATENT APPLICATION  
Docket No. 16542.16.1a.3

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Devin Leake, et al.

Serial No.: 10/551,350

Filed: September 30, 2005

Conf. No.: Unknown

For: MODIFIED POLYNUCLEOTIDES FOR USE  
IN RNA INTERFERENCE

Examiner: Unknown

Customer No.: 022913

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for entry in the above-identified application are the following:

- Revocation and Substitute Power of Attorney
- Change of Attorney Docket Number

No additional fee is required.

R. PARRISH FREEMAN, JR.  
PETER F. MALEN, JR.  
L. REX SEARS, PH.D.  
WILLIAM R. RICHTER  
ROBERT E. AYCOCK  
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VERNON R. RICE §  
OF COUNSEL

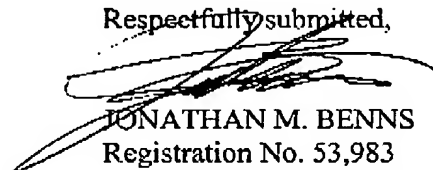
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X The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No. 23-3178.

Dated this 27 day of July, 2006.

Respectfully submitted,



JONATHAN M. BENNS  
Registration No. 53,983  
JOHN C. STRINGHAM  
Registration No. 40,831  
Attorneys for Applicant  
(801) 533-9800

JUL 27 2006

FILED VIA FACSIMILE

PATENT APPLICATION  
Docket No. 16542.0.1a.3

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of		)
		)
	Devin Leake, et al.	)
		)
Serial No.:	10/551,350	) Art Uri.
		) Unknown
		)
Filed:	September 30, 2005	)
		)
Conf. No.:	Unknown	)
		)
For:	MODIFIED POLYNUCLEOTIDES FOR USE	)
	IN RNA INTERFERENCE	)
		)
Examiner:	Unknown	)
		)
Customer No.:	022913	)

REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

VIA FACSIMILE (571) 273-8300

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

The undersigned, Shana Solomon, General Counsel of Dharmacon, Inc., the assignee of the entire interest of the above-identified application, as shown by the assignment recorded in the United States Patent Office at Reel 016936, Frame 0943, a copy of which assignment is attached as Exhibit A hereto, hereby revokes all previous powers of attorney in the above-identified application, and now hereby appoints as their attorneys and/or patent agents all attorney and/or patent agents under Customer Number 022913, with full power of substitution and revocation, to

prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith.

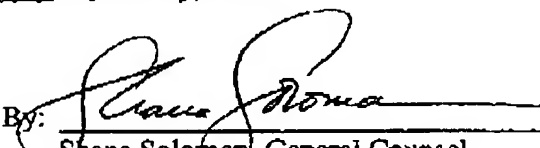
Shana Solomon further declares that all statements made herein of her own knowledge are true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

All correspondence and telephonic communications should be directed to:

JOHN C. STRINGHAM  
022913  
Customer Number  
Telephone: (801) 533-9800  
Facsimile: (801) 328-1707

All previous powers of attorney are hereby revoked.

Signed at Lafayette, Colorado, this 24<sup>th</sup> day of July, 2006.

By:   
Shana Solomon, General Counsel  
DHARMACON, INC.  
2650 Crescent Drive  
Lafayette, Colorado 80026

JMB/JCS:sch  
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## **EXHIBIT A**

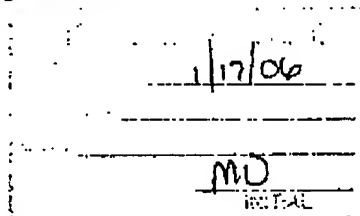
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 11, 2006

PTAS

TOR SMELAND  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 10/25/2005

REEL/FRAME: 016936/0943

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEAKE, DEVIN

DOC DATE: 09/29/2005

ASSIGNOR:

REYNOLDS, ANGELA

DOC DATE: 09/30/2005

ASSIGNOR:

KHVOROVA, ANASTASIA

DOC DATE: 10/05/2005

ASSIGNOR:

MARSHALL, WILLIAM

DOC DATE: 09/29/2005

ASSIGNOR:

FEDOROV, YURIY

DOC DATE: 09/28/2005

ASSIGNOR:

NICHOLS, KIMBERLY

DOC DATE: 09/29/2005

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.USPTO.gov

016936/0943 PAGE 2

ASSIGNEE:

DHARMACON INC.  
2650 CRESCENT DRIVE, SUITE 100  
LAFAYETTE, COLORADO 80026

SERIAL NUMBER: 10551350

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: MODIFIED POLYNUCLEOTIDES FOR USE IN RNA INTERFERENCE

MAURICE CARTER, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



JAN-04-2006 13:54

KALOW &amp; SPRINGUT LLP.

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10/551,350  
700220377

1002037  
Form TO-0102 (Rev. 07/05)  
Form No. 0001-0001-0001-0001

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

DOC#PT CHARGE 0200-083

**REGISTRATION FORM COVER SHEET  
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To the Director of the U.S. Patent and Trademark Office: Please direct the official documents to the new address(es) below.

1. Name of conveying party(ies)  
(1) LEAKE, David (2) FEDOROV, Yuri  
(3) REYNOLDS, Angela (4) RICHOLS, Kimberly  
(5) KHYLOVA, Anastasia  
(6) MARSHALL, William

2. Name and address of conveying party(ies)  
Name: **DIARMACON INC.**  
Internal Address:  
Street Address: **2550 Crossway Drive, Suite 100**  
City: **Livermore**  
State: **CA**  
Country: **United States** Zip: **94550**

Additional name(s) of conveying party(ies) - (check) ☐ Yes ☒ No

3. Nature of conveying party(ies) relationship (check)  
Executive Director: **SEE ATTACHED SHEET**  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Ownership Agreement  
☐ Government Interest Assignment  
☐ Executive Order 8424, Confidential License  
☐ Other

4. Application or patent number(s)  
A. Patent Application No(s): **10/551,350**  
B. Patent No(s):  
This document is being filed together with a new application: ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:  
Name: **Tor SHELAND**  
Internal Address:  
Street Address: **480 Madison Avenue**  
**18th Floor**  
City: **New York**  
State: **New York** Zip: **10022**  
Phone Number: **(212) 813-1600**  
Fax Number: **(212) 813-6900**  
Email Address: **torsheland@crossway-law.com**

6. Total number of applications and patents involved: **ONE**

7. Total fee (37 CFR 1.81(b) & 1.81) \$ **40.00**  
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☒ Authorized to be charged to deposit account  
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Authorized User Name: **Kalov & Springut LLP**

9. Signature: *Tor Sheland* Date: **October 25, 2005**  
Signature: \_\_\_\_\_  
Name of Person Signing: **Tor SHELAND - Reg. No. 63,131**  
Total number of pages including cover sheet, attachments, and documents: **7**

Patents to be recorded (including cover sheet) must be submitted to the Office of the USPTO, P.O. Box 1450, Alexandria, VA 22304-1450

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KALOW &amp; SPRINGUIT LLP.

212 813 9644

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**RECORDATION FORM COVER SHEET (FORM PTO-1599)**

Applicant: LEAKE et al.  
Serial No.: 10551,350  
Docket: DEARMA 0200-US3

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**Box 3: Nature of Conveyance/Execution Date(s):**

(1) LEAKE, Devin	29 September 2005
(2) REYNOLDS, Angela	30 September 2005
(3) KHVOROVA, Anastasia	05 October 2005
(4) MARSHALL, William	29 September 2005
(5) FEDOROV, Yury	28 September 2005
(6) NICHOLS, Kimberly	29 September 2005

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### ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, Devin LEAKE, residing at 3050 S. Krameria St., Denver, CO, 80222, United States; Angela REYNOLDS, residing at 11545 Conifer Ridge Drive, Conifer, CO, 80433, United States; Anastasia KHVOROVA, residing at 4550 Squires Circle, Boulder, CO, 80305, United States; William MARSHALL, residing at 495 Mohawk Drive, Boulder, CO, 80303, United States; Yuriy FEDOROV, residing at 2405 Andrew Drive, Superior, CO 80027, United States; and Kimberly NICHOLS, residing at 751 St. Andrews Lane, Louisville, CO 80027, United States;

HEREBY sell, assign and transfer to DHARMA CON INC. having a place of business at 2650 Crescent Drive, Suite 100, Lafayette, CO 80026, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions that are disclosed and claimed, and any and all inventions that are disclosed but not claimed, in the application for United States Patent that has been executed by the undersigned and is entitled:

### MODIFIED POLYNUCLEOTIDES FOR USE IN RNA INTERFERENCE

US Application Serial No. 10/651,350 (to be assigned), filed 30 September 2005

[the undersigned hereby authorizes its attorneys to amend this document to insert the filing date and application serial number when they become known]

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries that have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents that have been or shall be issued on said inventions;

AUTHORIZE and request the Director of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions disclosed in said application;

ASSIGNMENT  
DHARMA 0200-US-3  
Page 2 of 3

AGREE that said Assignee may apply for and receive foreign Letters Patents or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successor, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible that said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

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ASSIGNOR

Devin LEAKE

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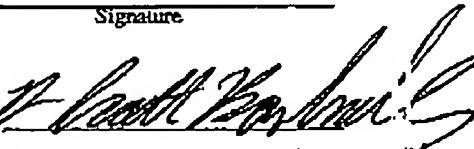
By:   
Signature

Witness

Signature: 

Print Name: Dmitry Samarsky

Witness

Signature: 

Print Name: D. Scott Brinkerville

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Page 3 of 3

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Print Name: Lori Poyer

Date: 10/5/05

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Page 4 of 5

William MARSHALL

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Yuriy FEDOROV

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By:   
Signature

Witness

Signature: 

Print Name: Anna Vermeulen

Date: 9-28-05

Address: 729 Julian Cir

La Fayette, CO 80026

Witness

Signature: 

Print Name: Barbara Robertson

Date: Sept. 28, 2005

Address: 455 Hawthorn Ave.

Boulder, CO 80307

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DHARMA 0200-UE3  
Page 5 of 5

Date:	<u>09/29/05</u>	By:	<u>Kimberly NICHOLS</u> <u>Kim V. Nichols</u> Signature
Witness		Witness	
Signature:	<u>[Signature]</u>	Signature:	<u>Cara Kotas</u>
Print Name:	<u>David Mierzejewski</u>	Print Name:	<u>Cara Kotas</u>
Date:	<u>09/29/05</u>	Date:	<u>9/29/05</u>
Address:	<u>147 W Elm</u> <u>Louisville CO 80027</u>	Address:	<u>628 S High St</u> <u>Denver CO</u> <u>80209</u>

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PATENT APPLICATION

Docket No. 16542.16.1a.3

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re application of

Devin Leake, et al.

Serial No.:

10/551,350

) Art Unit

) Unknown

Filed:

September 30, 2005

Conf. No.:

Unknown

For:

MODIFIED POLYNUCLEOTIDES FOR USE  
IN RNA INTERFERENCE

Examiner:

Unknown

Customer No.:

022913

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

For convenience and ready identification of the papers received in connection with the above-identified patent application, please reference in all future communications my Docket No. 16542.16.1a.3.

All correspondence and telephonic communications should be directed to:

John C. Stringham  
022913

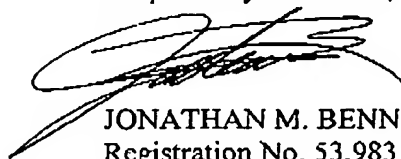
Customer Number

Telephone: (801) 533-9800

Facsimile: (801) 328-1707

DATED this 27 day of July, 2006.

Respectfully submitted,



JONATHAN M. BENNS

Registration No. 53,983

JOHN C. STRINGHAM

Registration No. 40,831

Attorneys for Applicant